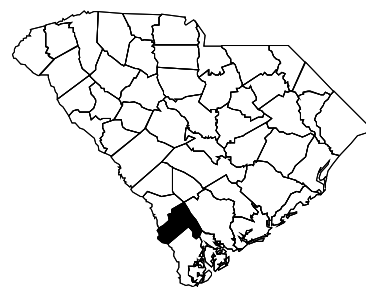


# IMPACT OF CHRONIC CONDITIONS HAMPTON County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Hampton county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Hampton county's population is similar to the state population. The majority (38%) of the population in Hampton county are between the ages of 18-44, and there are more males (51%) than females (49%). However, Hampton county has a higher minority population (57%) and a higher percentage of people under the age of 18 (25%). These percentages are higher than the state's (31% and 24%, respectively). When adults in DHEC's Region 8, which includes Hampton County, were asked about their general health status, 84.8% reported having excellent, very good, or good health in 2005 (SC was 82%).

	HAMPTON COUNTY	STATE
<b>Population size</b>	21,329	4,255,083
<b>Age distribution (%)</b>		
<18	25	24
18-44	38	38
45-64	25	25
65-84	11	11
85+	2	2
<b>Race (%)</b>		
White	44	69
Black & Other	56	31
<b>Sex (%)</b>		
Male	51	49
Female	49	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Hampton County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	21	22
Sedentary lifestyle	26	26
Overweight	62	65
High Cholesterol	33	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

<b>HYPERTENSION AND HYPERTENSIVE DISEASES</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	32.4	.	.	.	.	31.7
Number of hospitalizations	46	28	13	17	29	5,032
Crude rate of hospitalizations (per 100,000)	216	232	140	157	277	118
Median age of hospitalized patients	62	57	62	57	62	57
Total cost of hospitalization (\$)	690,600	401,300	289,300	340,200	350,400	109,400,500
Average length of hospital stay (days)	6	5	8	7	5	5
Number of ED visits	96	73	22	42	54	7,466
Crude rate of ED visits (per 100,000)	450	606	237	387	515	175
Median age of ED patients	52	47	65	47	52	52
Total cost of ED visits (\$)	76,900	55,200	21,700	35,700	41,200	9,929,000
Number of deaths**	4	3	1	1	3	423
Age-Adjusted Death rate (per 100,000)**	19	33	9	15	21	10

<b>DISEASES OF THE HEART</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.8	.	.	.	.	4.1
Number of hospitalizations	353	183	166	166	187	60,901
Crude rate of hospitalizations (per 100,000)	1,655	1,519	1,789	1,530	1,785	1,431
Median age of hospitalized patients	67	67	67	67	67	67
Total cost of hospitalization (\$)	10,240,500	4,130,100	6,110,400	5,666,800	4,573,700	2,286,836,400
Average length of hospital stay (days)	5	5	5	5	4	5
Number of ED visits	127	64	63	54	73	12,989
Crude rate of ED visits (per 100,000)	595	531	679	498	697	305
Median age of ED patients	67	67	72	72	67	62
Total cost of ED visits (\$)	274,400	110,300	164,100	134,300	140,100	42,115,900
Number of deaths**	35	19	16	21	14	9,328
Age-Adjusted Death rate (per 100,000)**	158	191	125	263	103	218

<b>STROKE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	3
Number of hospitalizations	59	29	30	26	33	13,925
Crude rate of hospitalizations (per 100,000)	277	241	323	240	315	327
Median age of hospitalized patients	67	62	67	65	67	72
Total cost of hospitalization (\$)	1,962,100	1,456,200	505,900	770,400	1,191,700	384,441,600
Average length of hospital stay (days)	7	9	4	7	6	6
Number of ED visits	26	14	12	15	11	2,515
Crude rate of ED visits (per 100,000)	122	116	129	138	105	59
Median age of ED patients	67	57	67	67	67	67
Total cost of ED visits (\$)	54,200	26,600	27,600	30,400	23,800	9,113,000
Number of deaths**	14	10	4	8	6	2,440
Age-Adjusted Death rate (per 100,000)**	63	97	34	81	44	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	92	37	55	45	47	15,753
Crude rate of hospitalizations (per 100,000)	431	307	593	415	449	370
Median age of hospitalized patients	57	52	62	57	62	62
Total cost of hospitalization (\$)	1,481,200	425,700	1,055,500	750,600	730,600	268,425,300
Average length of hospital stay (days)	6	4	7	6	6	5
Number of ED visits	265	191	74	113	152	36,543
Crude rate of ED visits (per 100,000)	1,242	1,585	797	1,041	1,451	859
Median age of ED patients	37	32	47	17	42	37
Total cost of ED visits (\$)	239,000	182,100	56,900	128,600	110,400	40,613,700
Number of deaths**	8	2	6	7	1	1,968
Age-Adjusted Death rate (per 100,000)**	40	18	52	94	8	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.8	.	.	.	.	10.3
Number of hospitalizations	64	41	23	33	31	9,027
Crude rate of hospitalizations (per 100,000)	300	340	248	304	296	212
Median age of hospitalized patients	47	52	42	42	52	52
Total cost of hospitalization (\$)	873,000	448,000	425,000	455,900	417,100	179,747,700
Average length of hospital stay (days)	5	5	6	5	6	6
Number of ED visits	67	56	11	25	42	9,603
Crude rate of ED visits (per 100,000)	314	465	119	230	401	226
Median age of ED patients	57	57	52	52	57	52
Total cost of ED visits (\$)	62,300	52,100	10,200	32,700	29,600	13,447,300
Number of deaths**	13	11	2	5	8	1,183
Age-Adjusted Death rate (per 100,000)**	59	111	20	51	63	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	84	46	38	50	34	16,389
Crude rate of hospitalizations (per 100,000)	394	382	409	461	325	385
Median age of hospitalized patients	67	62	70	65	67	62
Total cost of hospitalization (\$)	2,504,000	1,566,900	937,100	1,335,800	1,168,200	664,309,500
Average length of hospital stay (days)	7	8	7	6	9	8
Number of deaths**	43	21	22	25	18	8,617
Age-Adjusted Death rate (per 100,000)**	205	235	189	310	139	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	6	3	3	6	2,070
Crude rate of hospitalizations (per 100,000)	42	50	32	28	57	49
Median age of hospitalized patients	67	62	67	57	67	67
Total cost of hospitalization (\$)	266,500	203,900	62,600	83,300	183,200	101,377,700
Average length of hospital stay (days)	6	6	4	6	6	10
Number of deaths**	4	1	3	2	2	812
Age-Adjusted Death rate (per 100,000)**	19	8	25	23	14	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	1	2	-	3	1,228
Crude rate of hospitalizations (per 100,000)	29	17	44	-	66	56
Median age of hospitalized patients	72	42	75	-	72	62
Total cost of hospitalization (\$)	48,600	17,500	31,100	-	48,600	26,163,000
Average length of hospital stay (days)	2	2	2	-	2	3
Number of deaths**	4	2	2	-	4	651
Age-Adjusted Death rate (per 100,000)**	36	34	42	-	36	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	-	-	-	-	-	192
Crude rate of hospitalizations (per 100,000)	-	-	-	-	-	9
Median age of hospitalized patients	-	-	-	-	-	47
Total cost of hospitalization (\$)	-	-	-	-	-	4,668,500
Average length of hospital stay (days)	-	-	-	-	-	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	19	5	14	17	2	2,181
Crude rate of hospitalizations (per 100,000)	89	42	151	157	19	51
Median age of hospitalized patients	67	57	77	77	65	67
Total cost of hospitalization (\$)	582,400	218,300	364,100	464,100	118,300	92,775,300
Average length of hospital stay (days)	7	6	7	6	8	9
Number of deaths**	13	5	8	11	2	2,703
Age-Adjusted Death rate (per 100,000)**	64	51	69	141	14	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	5	2	7	-	1,209
Crude rate of hospitalizations (per 100,000)	64	82	42	74	-	58
Median age of hospitalized patients	57	62	55	57	-	62
Total cost of hospitalization (\$)	169,300	128,300	41,000	169,300	-	30,356,600
Average length of hospital stay (days)	4	4	3	4	-	4
Number of deaths**	6	5	1	6	-	460
Age-Adjusted Death rate (per 100,000)**	85	214	22	85	-	30

\*Prevalence estimates at regional level

\*\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD10 codes.

All hospitalizations of Blacks include Blacks and others.

#### For more information about

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